

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF085007.D
 Acq On : 10 Feb 2016 21:51
 Operator : SJ/IZ
 Sample : H1396-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(5-7)

Quant Time: Feb 11 00:24:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

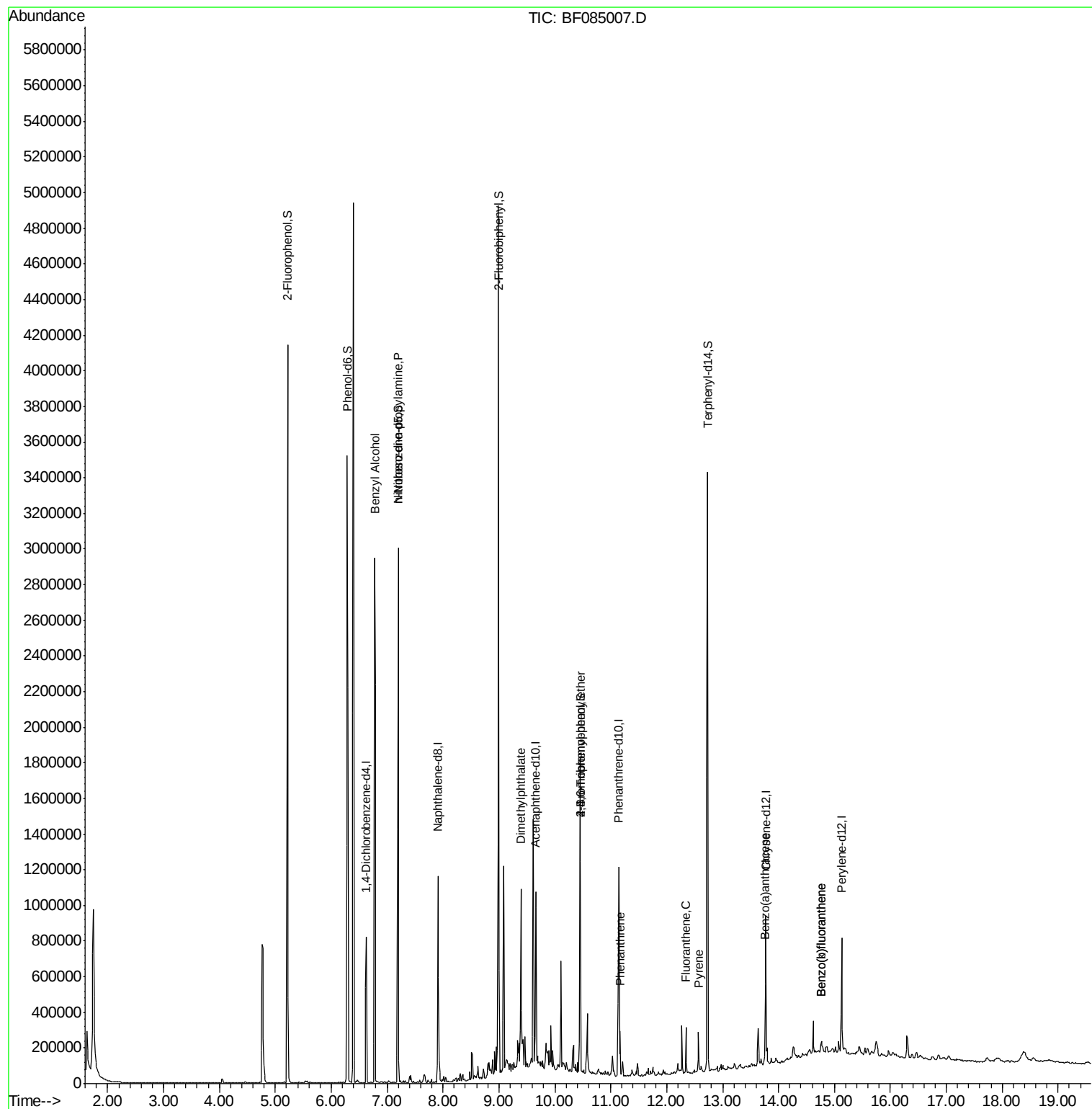
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	153304	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	603753	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	264541	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	448788	20.00	ng	0.00
75) Chrysene-d12	13.77	240	308438	20.00	ng	0.00
86) Perylene-d12	15.13	264	269634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1204511	122.38	ng	0.02
7) Phenol-d6	6.28	99	1772407	145.26	ng	0.00
23) Nitrobenzene-d5	7.20	82	1086094	101.34	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	282040	102.21	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	1521084	105.19	ng	0.00
78) Terphenyl-d14	12.73	244	1162218	85.39	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.78	79	18096	2.15	ng	# 46
19) n-Nitroso-di-n-propylamine	7.20	70	153227	20.03	ng	# 72
49) Dimethylphthalate	9.39	163	300183	14.90	ng	# 91
66) 4-Bromophenyl-phenylether	10.46	248	16068	3.24	ng	# 1
70) Phenanthrene	11.16	178	105440	4.24	ng	98
74) Fluoranthene	12.34	202	100306	3.98	ng	96
77) Pyrene	12.57	202	90475	3.83	ng	98
80) Benzo(a)anthracene	13.76	228	40715	2.13	ng	98
87) Benzo(b)fluoranthene	14.77	252	42692	2.36	ng	# 94
88) Benzo(k)fluoranthene	14.77	252	42692	2.85	ng	# 97

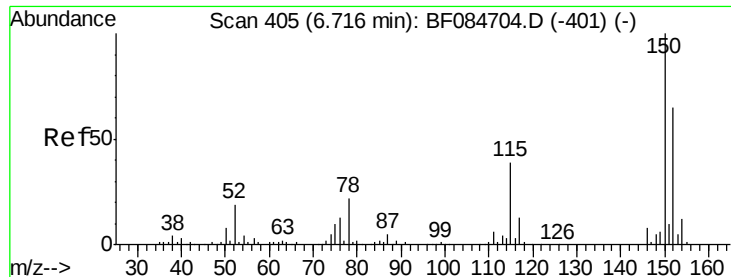
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF085007.D

Acq: 10 Feb 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S4-B003(5-7)

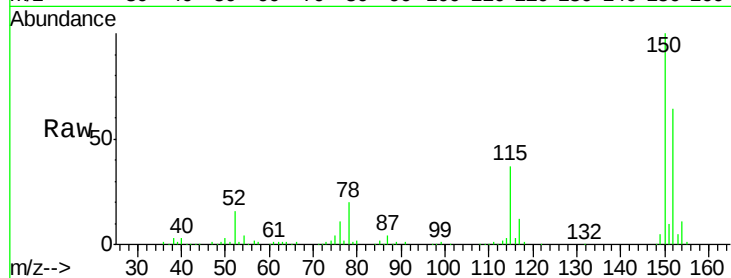
Tgt Ion:152 Resp: 153304

Ion Ratio Lower Upper

152 100

150 156.8 123.0 184.4

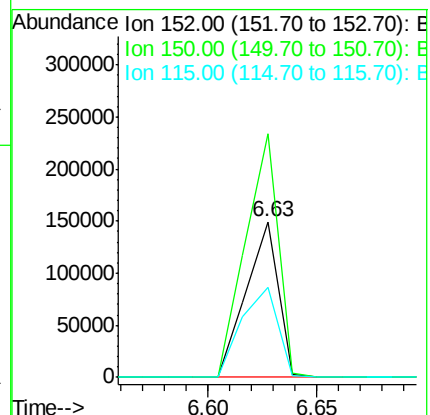
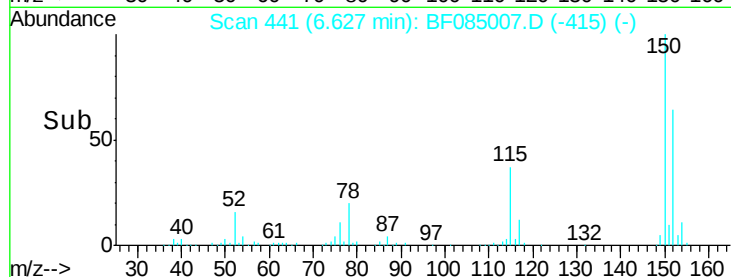
115 57.9 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 122.38 ng

RT: 5.22 min Scan# 318

Delta R.T. 0.02 min

Lab File: BF085007.D

Acq: 10 Feb 2016 21:51

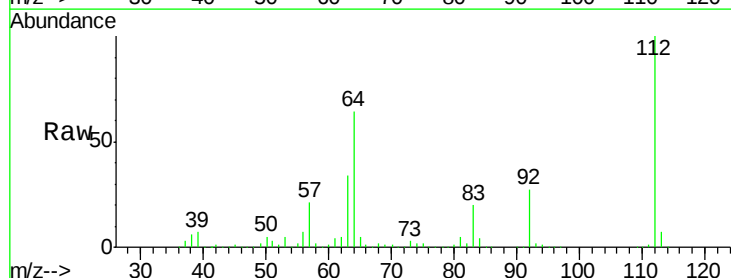
Tgt Ion:112 Resp: 1204511

Ion Ratio Lower Upper

112 100

64 64.3 36.6 55.0#

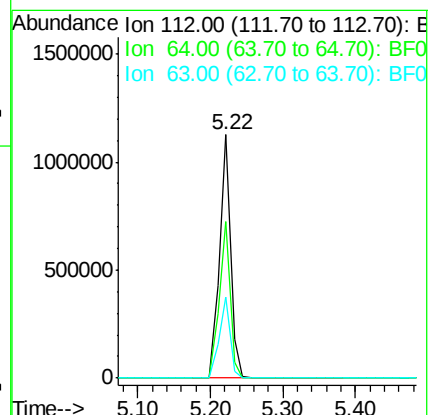
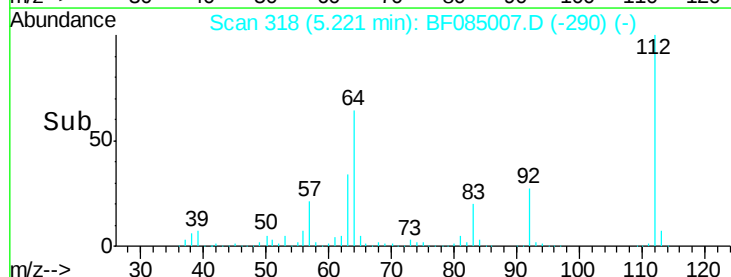
63 33.5 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.26 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF085007.D

Acq: 10 Feb 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S4-B003(5-7)

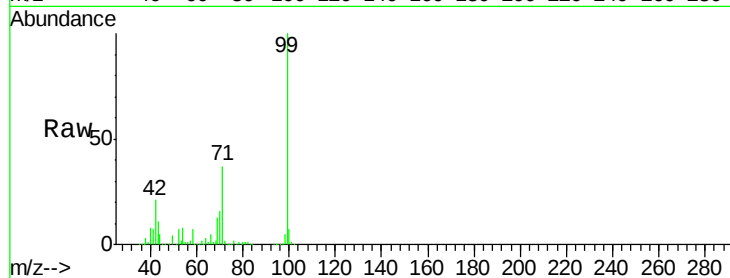
Tgt Ion: 99 Resp: 1772407

Ion Ratio Lower Upper

99 100

42 20.6 12.8 19.2#

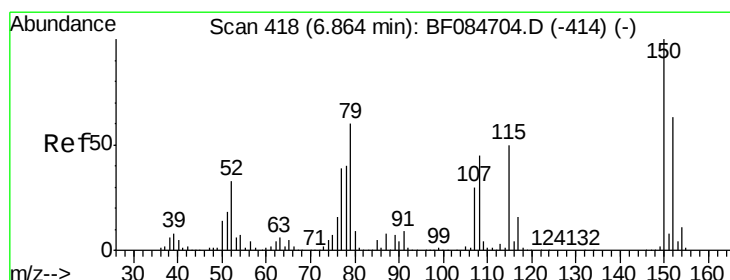
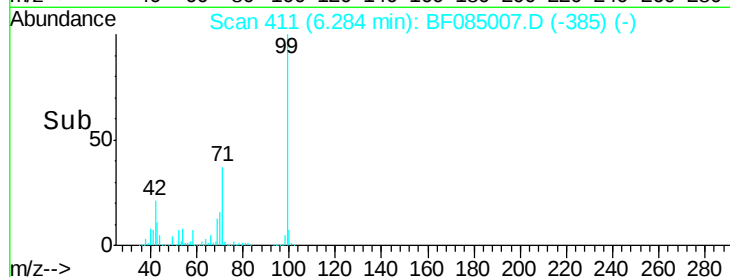
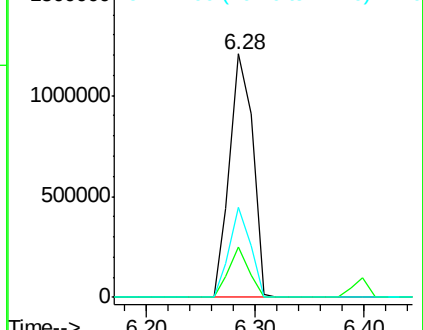
71 37.1 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.15 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF085007.D

Acq: 10 Feb 2016 21:51

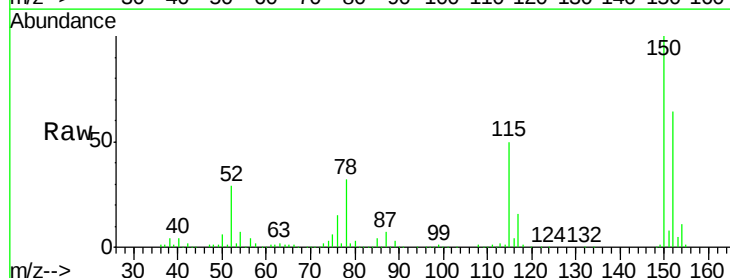
Tgt Ion: 79 Resp: 18096

Ion Ratio Lower Upper

79 100

108 25.6 69.0 103.4#

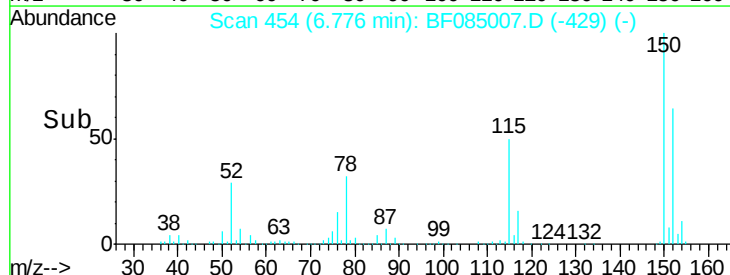
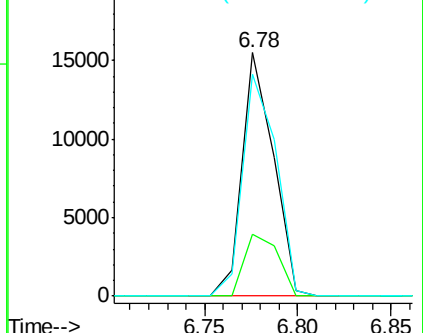
77 91.2 50.0 75.0#

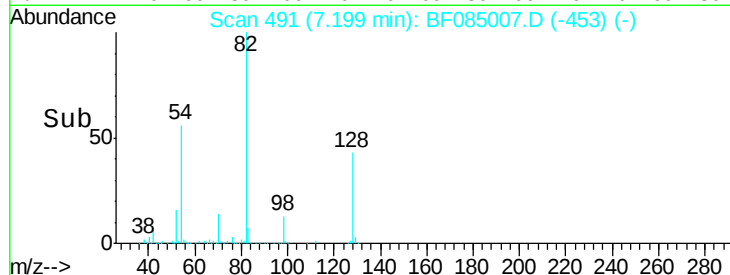
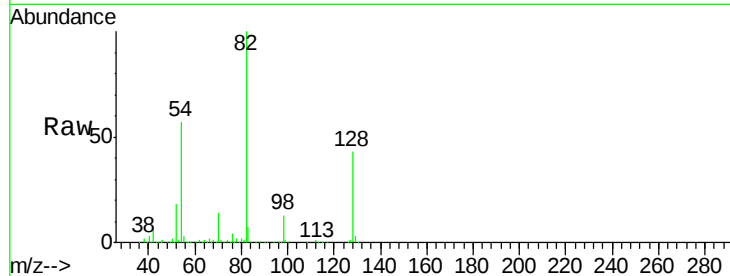


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

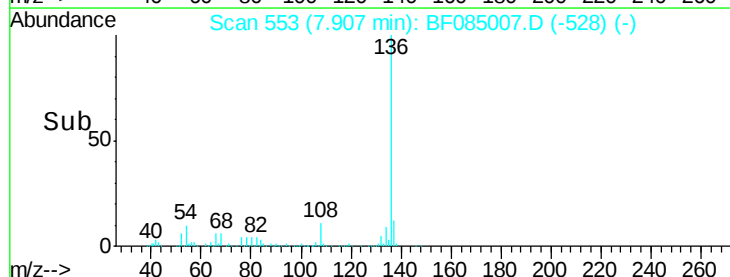
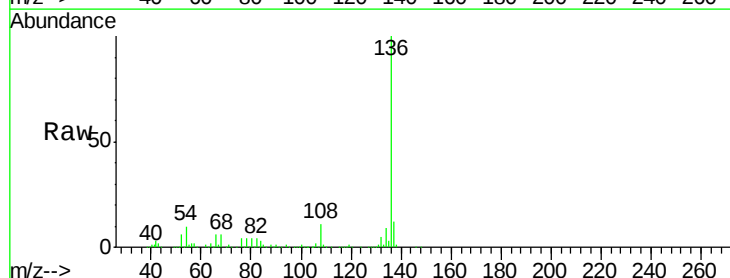
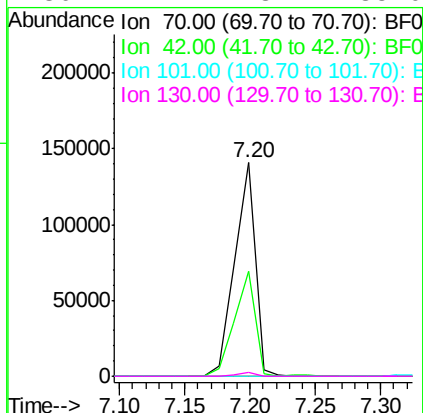




#19
n-Nitroso-di-n-propylamine
Concen: 20.03 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.14 min
Lab File: BF085007.D
Acq: 10 Feb 2016 21:51

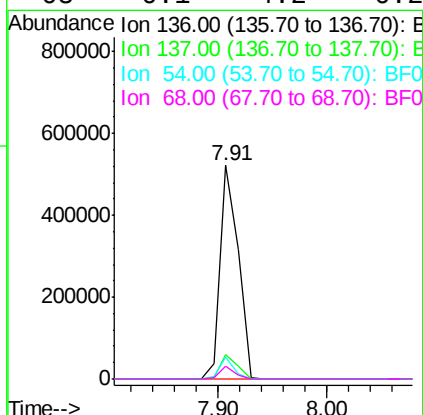
Instrument :
BNA_F
ClientSampleId :
S4-B003(5-7)

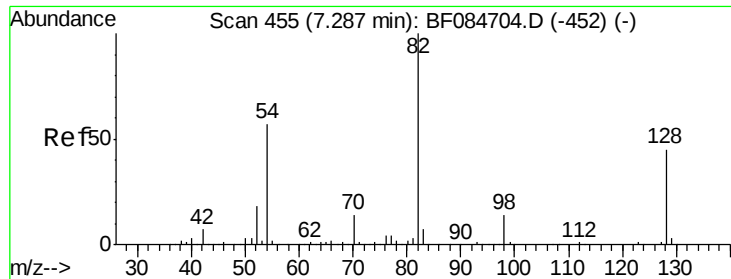
Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.1	33.3	49.9
101	0.0	9.3	13.9#
130	2.1	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF085007.D
Acq: 10 Feb 2016 21:51

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	10.4	5.8	8.8#
68	6.1	4.2	6.2

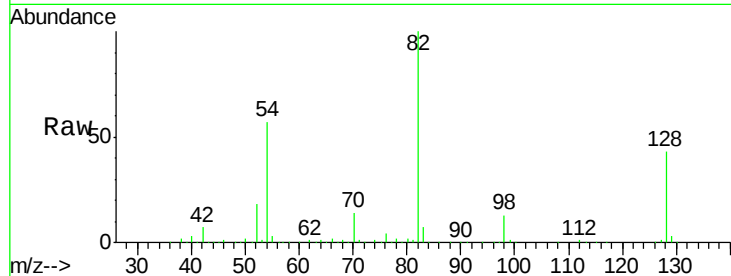




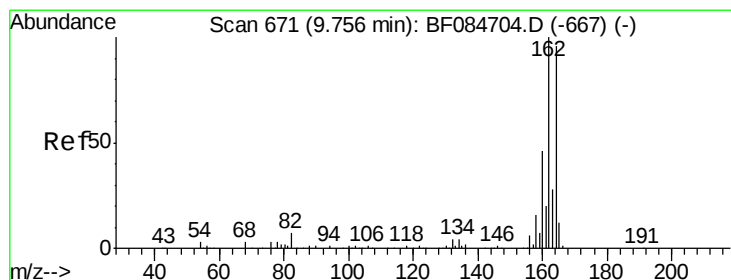
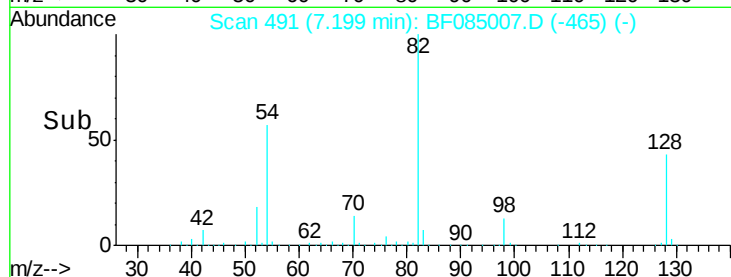
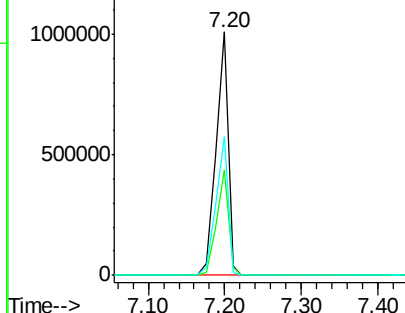
#23
 Nitrobenzene-d5
 Concen: 101.34 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.00 min
 Lab File: BF085007.D
 Acq: 10 Feb 2016 21:51

Instrument :
 BNA_F
 ClientSampled :
 S4-B003(5-7)

Tgt Ion: 82 Resp: 1086094
 Ion Ratio Lower Upper
 82 100
 128 43.4 34.6 51.8
 54 56.9 38.4 57.6

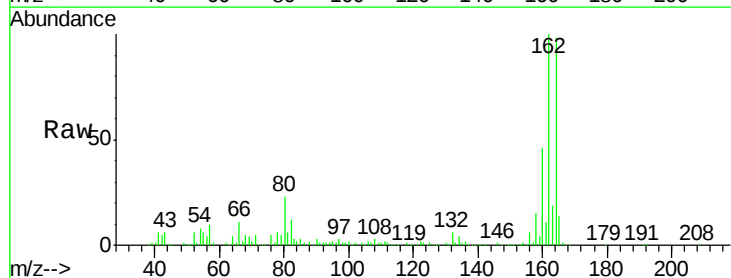


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

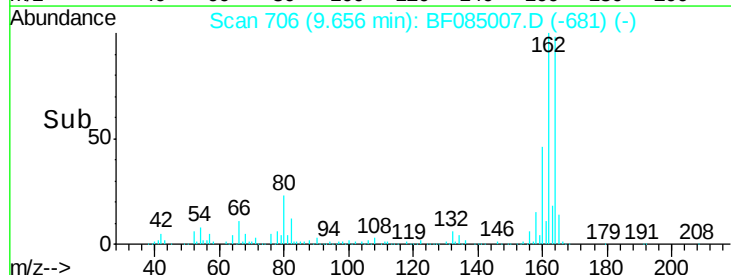
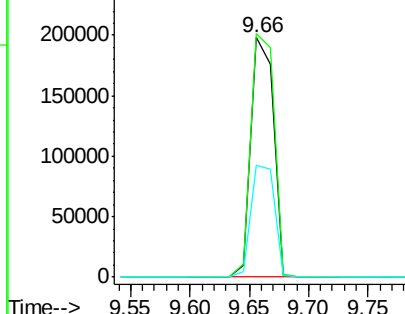


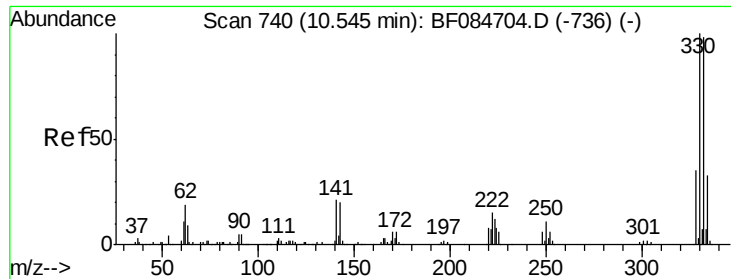
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF085007.D
 Acq: 10 Feb 2016 21:51

Tgt Ion: 164 Resp: 264541
 Ion Ratio Lower Upper
 164 100
 162 101.7 85.1 127.7
 160 46.5 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

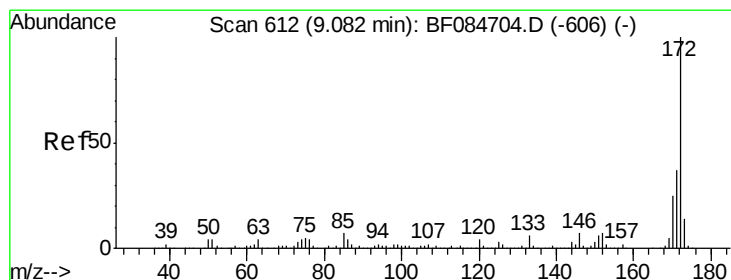
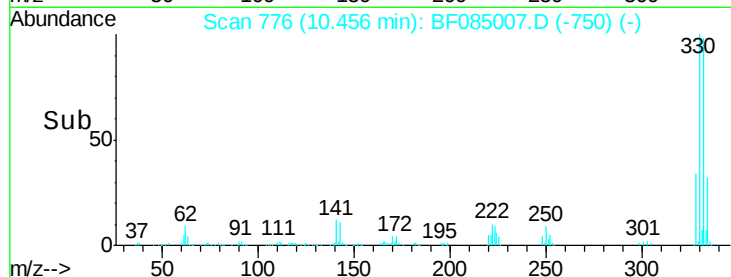
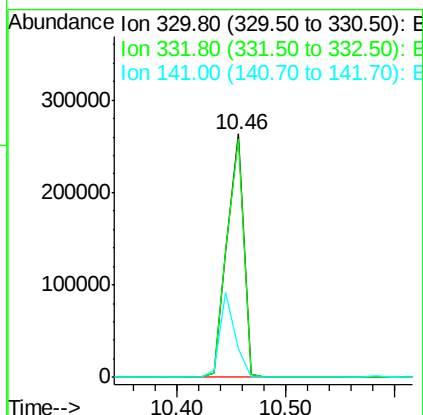
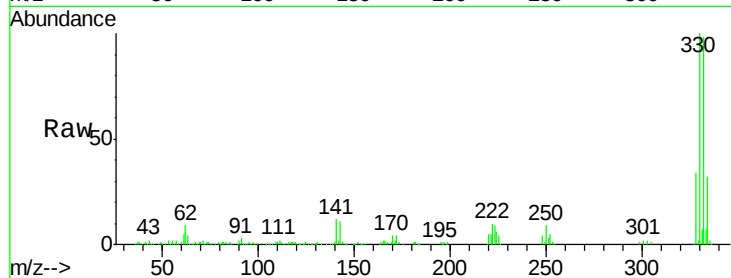




#41
 2,4,6-Tribromophenol
 Concen: 102.21 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: BF085007.D
 Acq: 10 Feb 2016 21:51

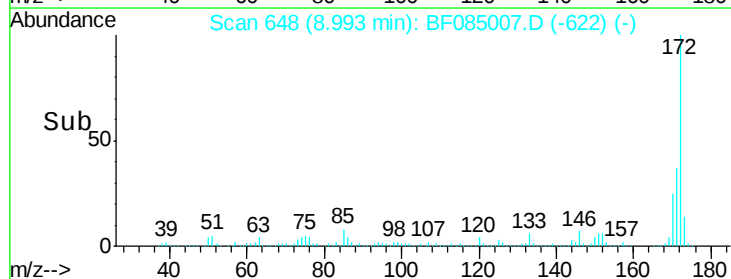
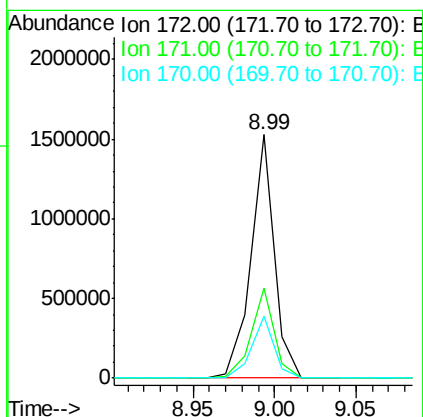
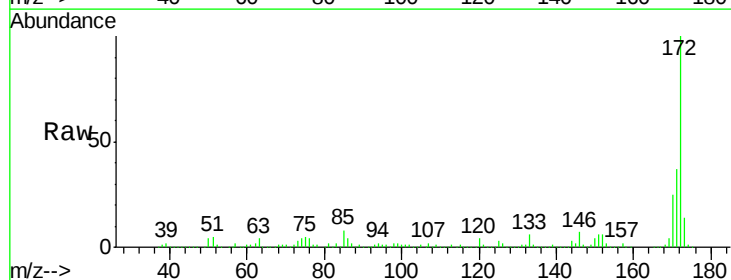
Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(5-7)

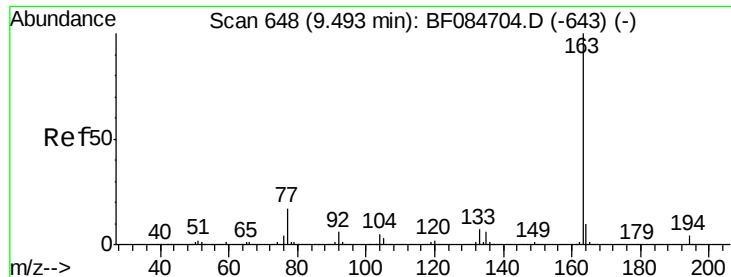
Tgt Ion:330 Resp: 282040
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.6 114.8
 141 33.1 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 105.19 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.00 min
 Lab File: BF085007.D
 Acq: 10 Feb 2016 21:51

Tgt Ion:172 Resp: 1521084
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.9 43.3
 170 25.3 18.6 27.8

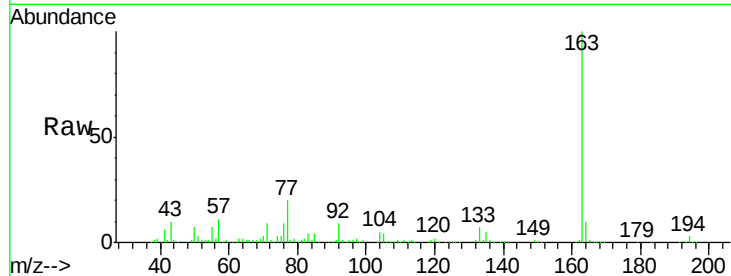




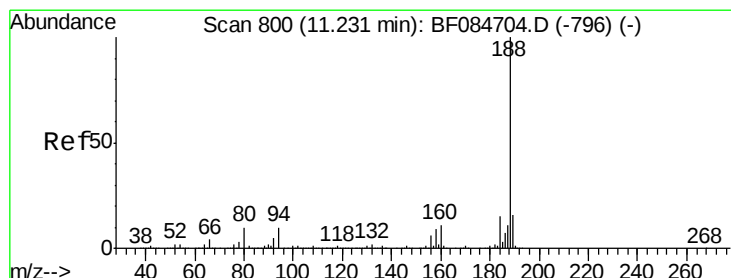
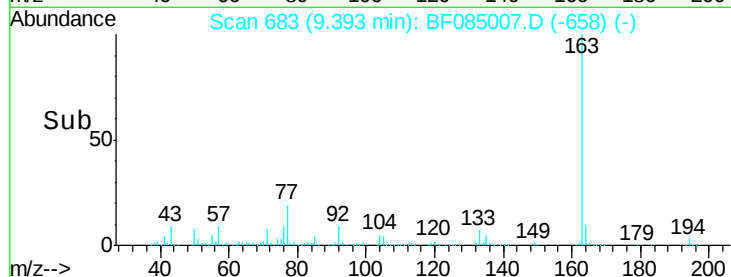
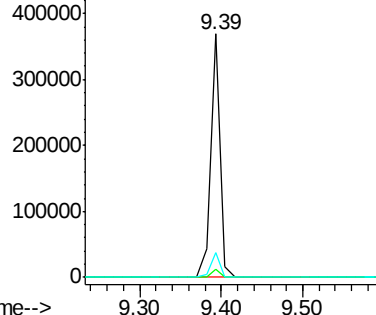
#49
Dimethylphthalate
Concen: 14.90 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF085007.D
Acq: 10 Feb 2016 21:51

Instrument :
BNA_F
ClientSampleId :
S4-B003(5-7)

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	8.0	12.0#
164	10.0	8.0	12.0

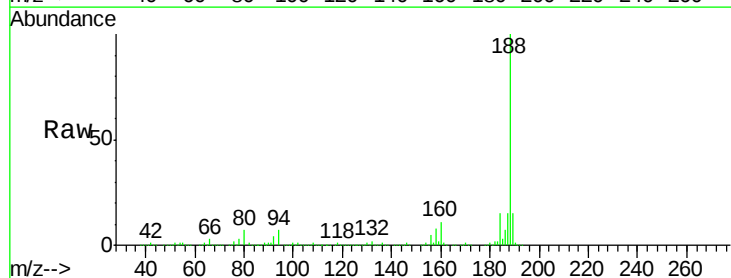


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

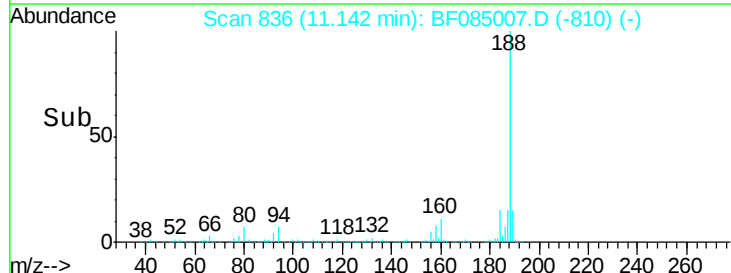
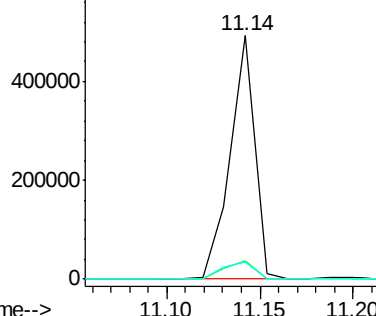


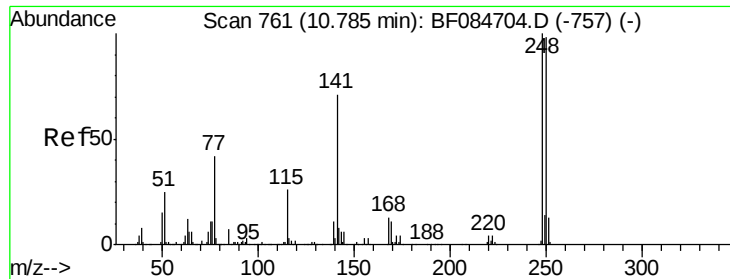
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF085007.D
Acq: 10 Feb 2016 21:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	9.0	13.4#
80	6.9	9.6	14.4#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

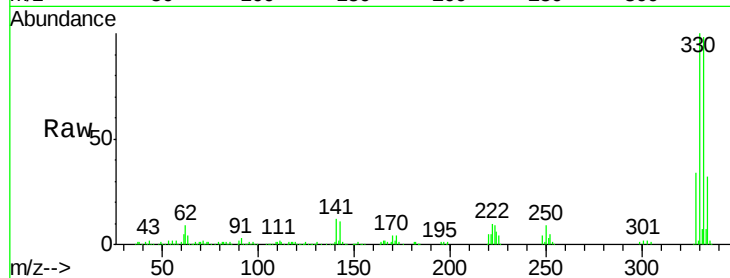




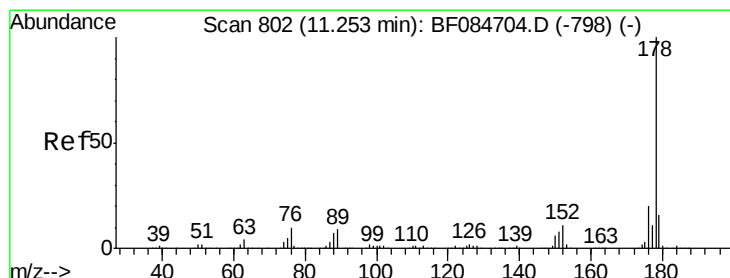
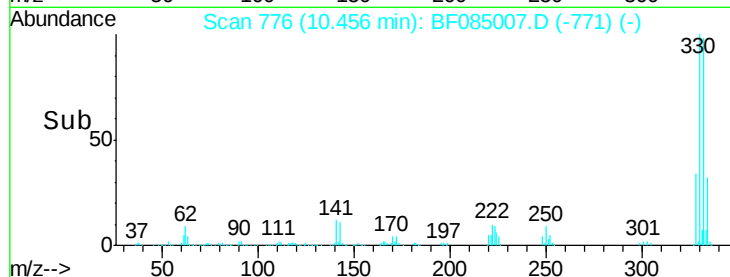
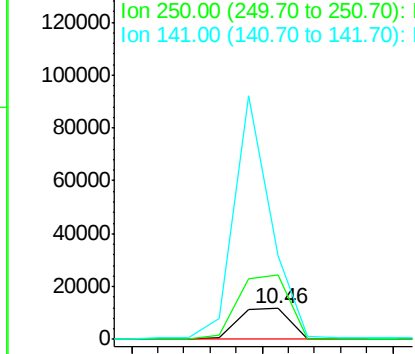
#66
4-Bromophenyl-phenylether
Concen: 3.24 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.24 min
Lab File: BF085007.D
Acq: 10 Feb 2016 21:51

Instrument :
BNA_F
ClientSampleId :
S4-B003(5-7)

Tgt Ion:248 Resp: 16068
Ion Ratio Lower Upper
248 100
250 207.3 78.4 117.6#
141 267.5 44.0 66.0#

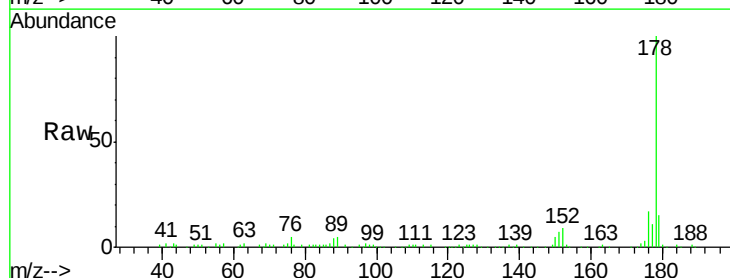


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

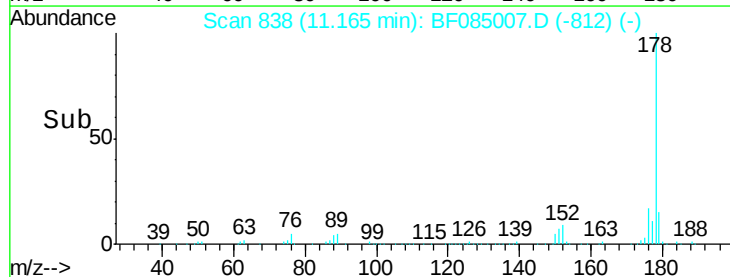
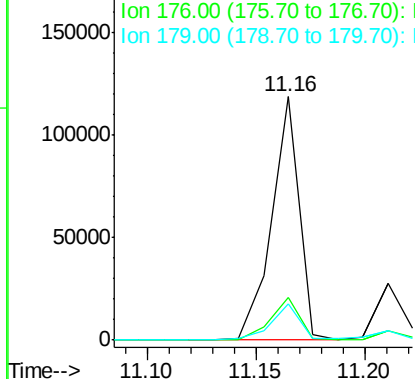


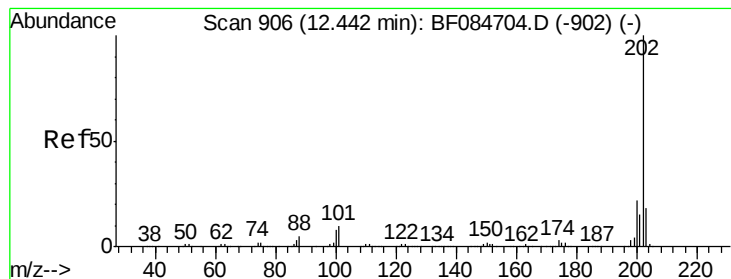
#70
Phenanthrene
Concen: 4.24 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.00 min
Lab File: BF085007.D
Acq: 10 Feb 2016 21:51

Tgt Ion:178 Resp: 105440
Ion Ratio Lower Upper
178 100
176 17.5 15.3 22.9
179 14.9 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.98 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF085007.D

Acq: 10 Feb 2016 21:51

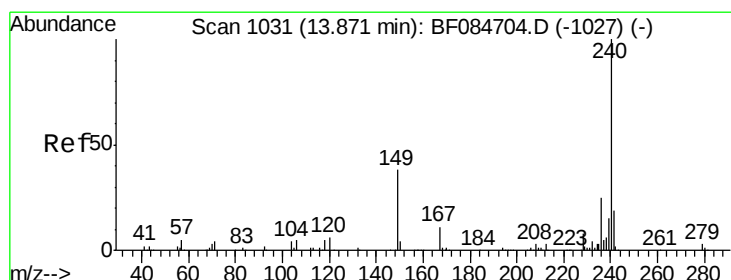
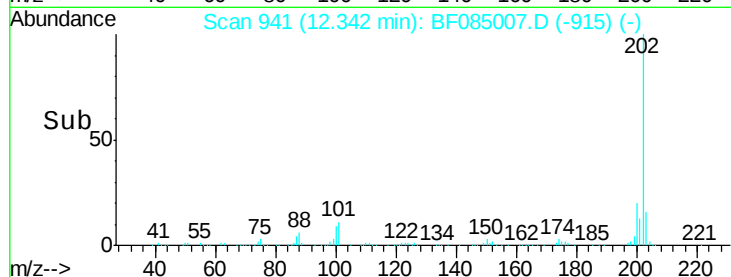
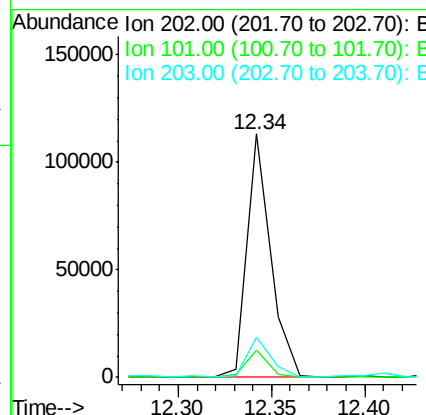
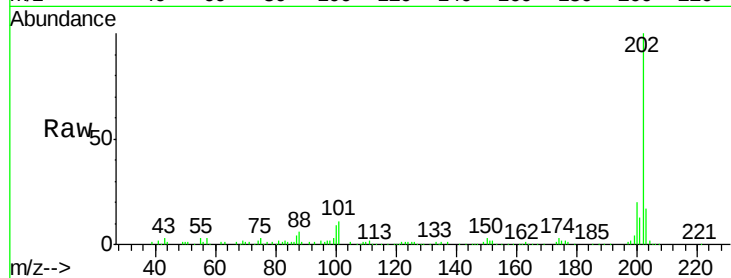
Instrument :

BNA_F

ClientSampleId :

S4-B003(5-7)

Tgt Ion:	202	Resp:	100306
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	32.8
203	16.5	0.0	37.9



#75

Chrysene-d12

Concen: 20.00 ng

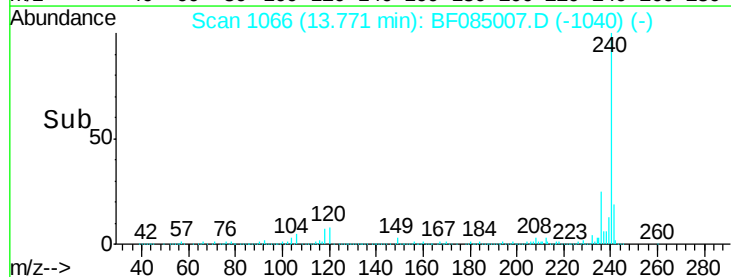
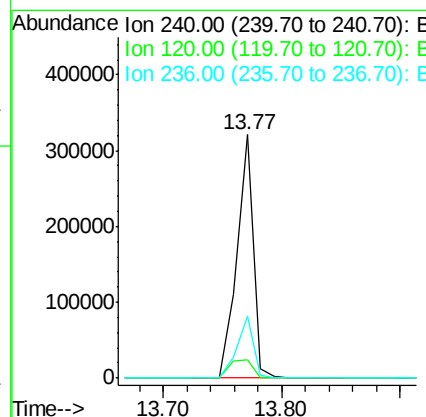
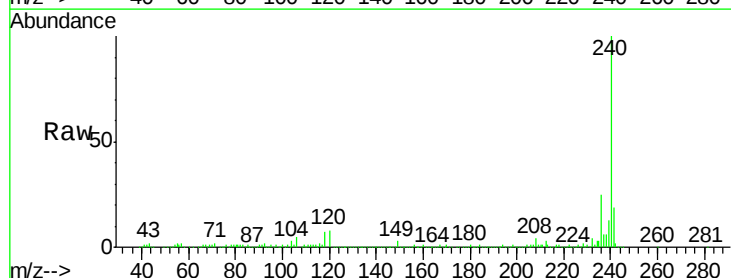
RT: 13.77 min Scan# 1066

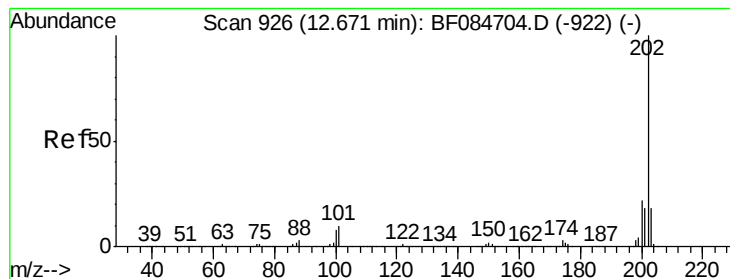
Delta R.T. -0.00 min

Lab File: BF085007.D

Acq: 10 Feb 2016 21:51

Tgt Ion:	240	Resp:	308438
Ion Ratio	Lower	Upper	
240	100		
120	7.7	9.5	14.3#
236	25.5	20.6	31.0





#77

Pyrene

Concen: 3.83 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF085007.D

Acq: 10 Feb 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S4-B003(5-7)

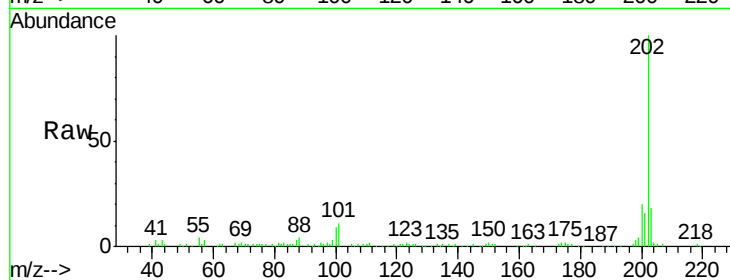
Tgt Ion:202 Resp: 90475

Ion Ratio Lower Upper

202 100

200 19.5 17.2 25.8

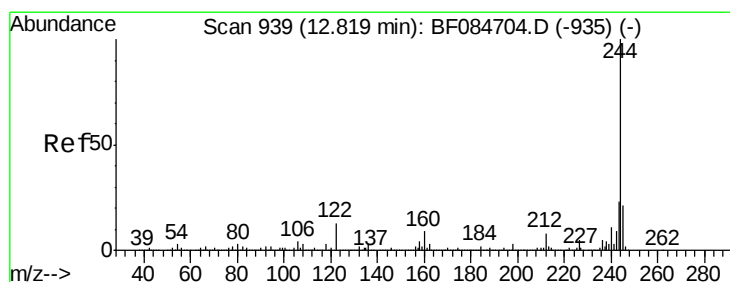
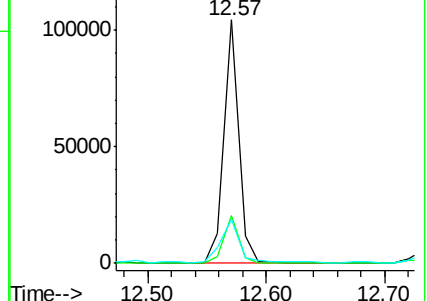
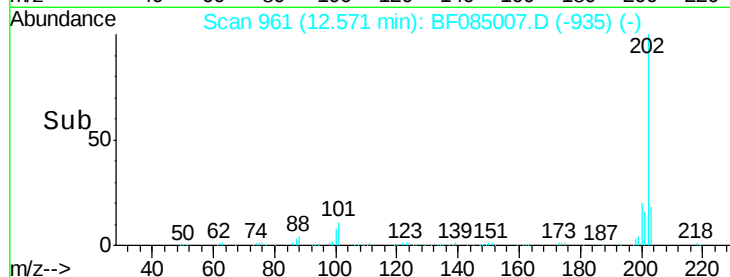
203 18.1 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 85.39 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF085007.D

Acq: 10 Feb 2016 21:51

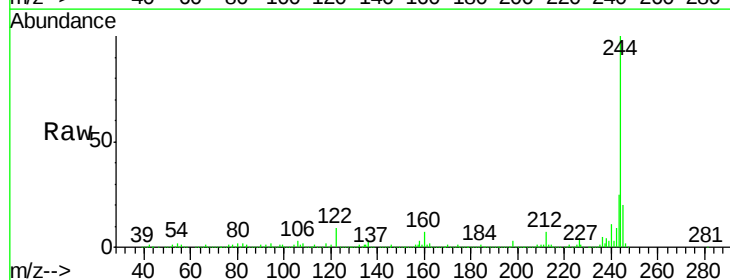
Tgt Ion:244 Resp: 1162218

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

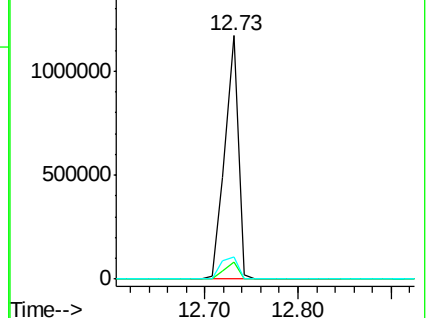
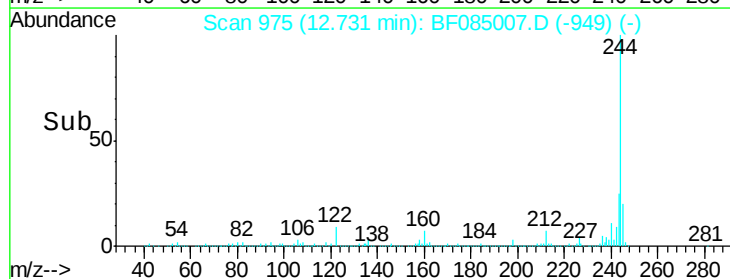
122 9.1 7.4 11.0

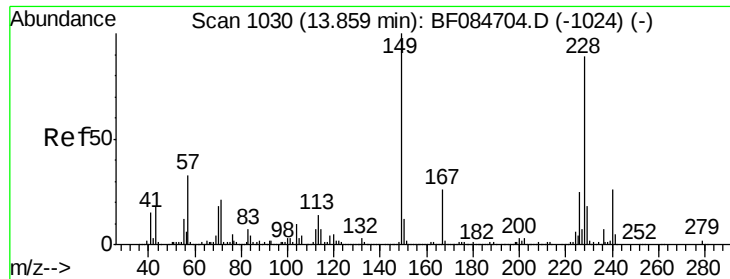


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.13 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF085007.D

Acq: 10 Feb 2016 21:51

Instrument :

BNA_F

ClientSampleId :

S4-B003(5-7)

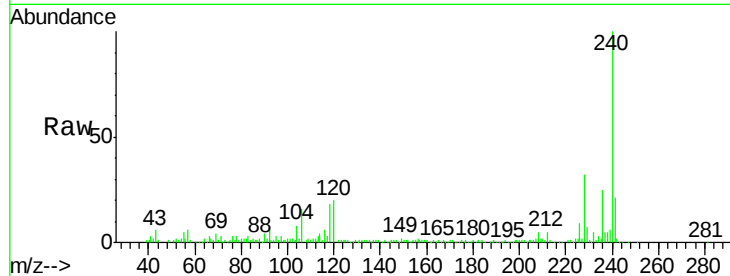
Tgt Ion:228 Resp: 40715

Ion Ratio Lower Upper

228 100

226 28.9 21.8 32.6

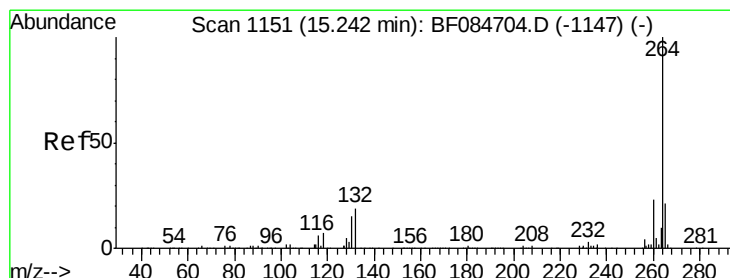
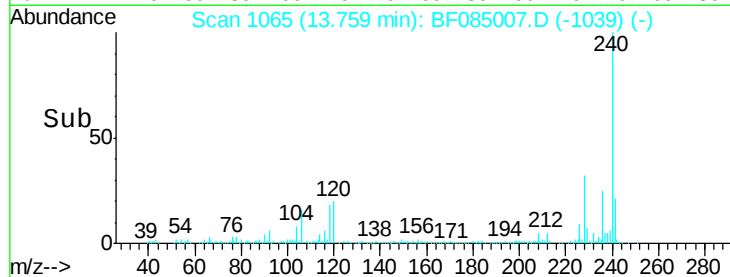
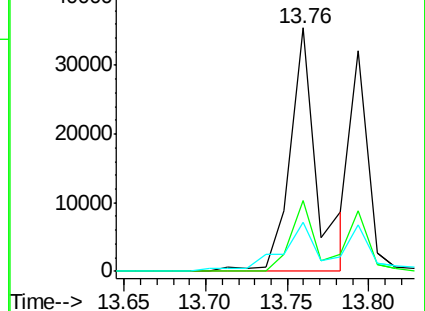
229 20.2 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BF085007.D

Acq: 10 Feb 2016 21:51

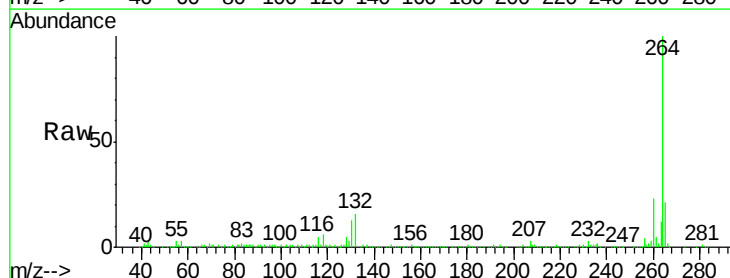
Tgt Ion:264 Resp: 269634

Ion Ratio Lower Upper

264 100

260 22.9 19.4 29.2

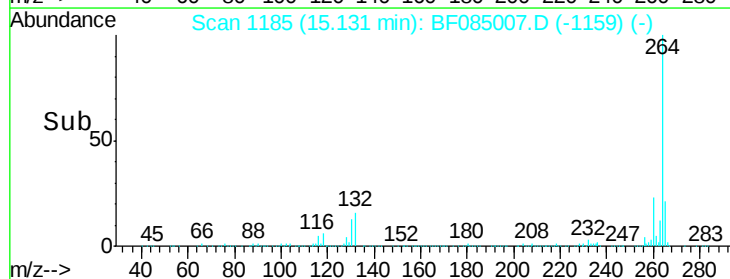
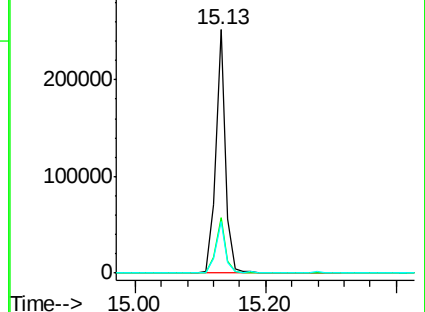
265 21.2 17.8 26.6

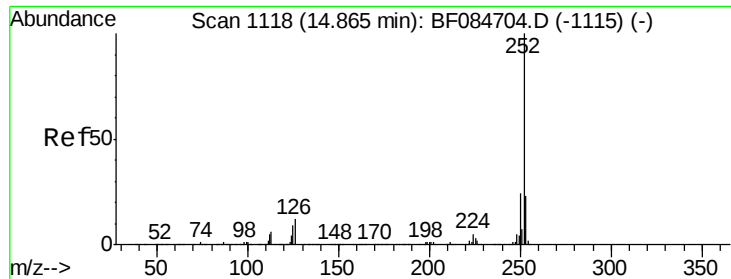


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

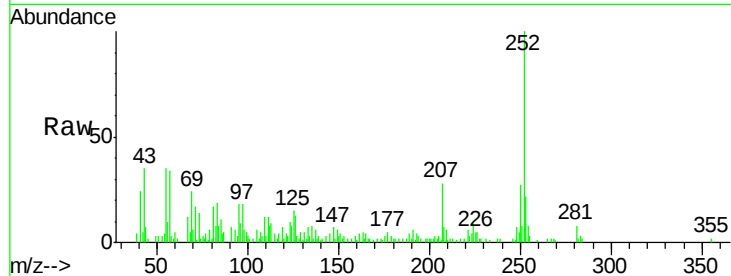




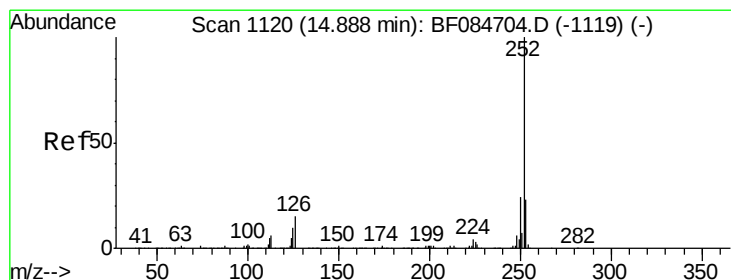
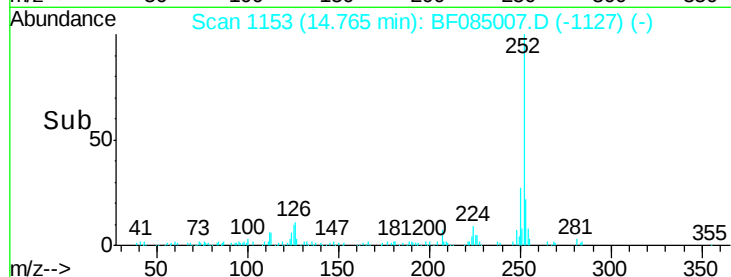
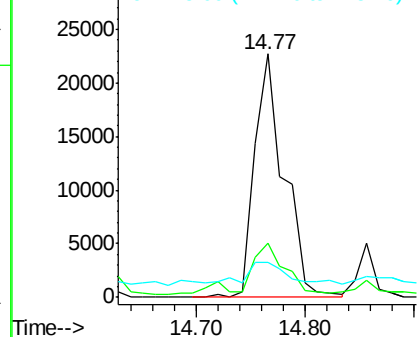
#87
Benzo(b)fluoranthene
Concen: 2.36 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF085007.D
Acq: 10 Feb 2016 21:51

Instrument :
BNA_F
ClientSampleId :
S4-B003(5-7)

Tgt Ion:252 Resp: 42692
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 14.5 6.5 9.7#

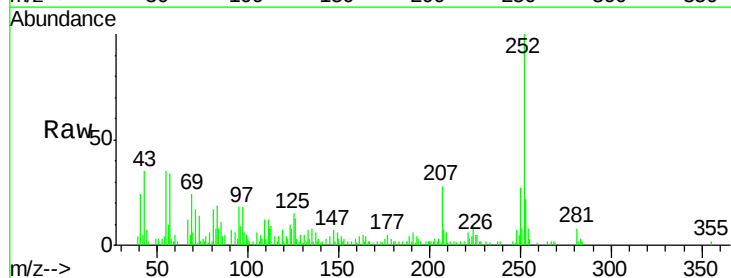


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.85 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BF085007.D
Acq: 10 Feb 2016 21:51

Tgt Ion:252 Resp: 42692
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 14.5 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

